

UNCLASSIFIED

NATIONAL SECURITY AGENCY  
CENTRAL SECURITY SERVICE  
FORT MEADE, MARYLAND



19 May 2005

## Degausser Approved Products List

## ANNEX A – DEGAUSSER APPROVED PRODUCTS LIST

### INTRODUCTION

1. The Degausser Approved Products List (DAPL) specifies the model identification of current equipment units that were evaluated against and found to satisfy the requirements for erasure of magnetic storage devices that retain classified or sensitive data. A commercial production unit of each model of degausser was evaluated against NSA/CSS requirements for erasure of classified or sensitive magnetic tapes. Listing of a product on the DAPL does not constitute endorsement of the product by the U.S. Government or NSA/CSS. It merely indicates that the unit evaluated has met the applicable degausser requirements. Moreover, though listed in the DAPL, customers that acquire these products must re-test them twice a year for the first two years, then once a year thereafter.

2. Magnetic storage devices are defined by their magnetic *coercivity* in units of Oersteds (Oe). Coercivity of a magnetic storage device defines the magnetic field necessary to reduce a magnetically saturated material's magnetization to zero. Degaussers listed in this document are defined by the coercivity of the magnetic storage devices that can be erased, (e.g., a 1000 Oe degausser can erase less than or equal to a 1000 Oe magnetic storage device). Note that the degaussers in the DAPL are defined in two ways: the ability to erase tape storage devices and the ability to erase disk storage devices. Tape storage devices are defined as any product (e.g., reels, cassettes) that contains magnetic tape as the recording medium. Disk storage devices are defined as any product (e.g., flexible disks, disk packs, sealed disk packs, hard disk drives, Winchester disk drives, disk platters) that contains a disk as the recording medium. The correct use of these degaussing products will ensure that classified or sensitive data is no longer retrievable.

3. Degaussers are ineffective in erasing magneto-optic storage devices.

**NOTE: IN ADDITION TO DEGAUSSING, CERTAIN ADMINISTRATIVE PROCEDURES MAY BE REQUIRED BEFORE DEGAUSSED MAGNETIC STORAGE DEVICES MAY BE DECLASSIFIED. CONSULT YOUR SECURITY OFFICER OR MANAGER FOR GUIDANCE IN THIS REGARD.**

4. Proper use of these equipments is necessary to ensure inadvertent disclosure of classified or sensitive information does not occur. Accordingly, users having operational questions about the equipment should direct their questions to the manufacturer. Questions regarding security requirements should be addressed to your Security Officer or Manager.

5. Companies wishing to submit a product for evaluation should contact in writing:

National Security Agency  
ATTN: LL Media Technology Center, Suite 6877  
9800 Savage Road  
Ft. George G. Meade, MD 20755-6877  
Voice 301.688.1053, Facsimile 301.725.8007

### **ELECTROMAGNETIC DEGAUSSER EQUIPMENT**

6. **Drawer Type Degaussers:** These are electromagnetic degaussers that provide automatic one pass operation for tape storage device erasure. Models certified for disk storage device erasure can be used to erase disks 3.5" or smaller. The disk must be placed horizontally, degaussed once, turned over and degaussed a second time. All steel shielding materials (e.g., cabinets, casings, and mounting brackets) must be removed from the disk before degaussing. The degaussers must be operated at their full magnetic field strength. The erasure of hard disk drives will cause damage (i.e., loss of timing tracks and servo motors) that will prohibit their continued use.

**NOTE: ADAPTORS MAY BE NECESSARY TO ACCOMMODATE THE VARIOUS SIZES OF STORAGE DEVICE PRODUCTS.**

<b>MANUFACTURER</b>	<b>MODEL</b>	<b>TAPE</b>	<b>DISK</b>
Data Devices International 2600 Mission Street San Marino, CA 91108-1676 626.799.6545 ATTN: David Partridge	Cambrian	350	Not Tested
Data Security, Incorporated 729 Q Street P.O. Box 82809 Lincoln, NE 68501 402.434.5959 800.225.7554 ATTN: Eric Schafer	Type I, 911-0000	350	Not Tested
Ampex Corporation 600 Wooten Rd. Colorado Springs, CO 80915 800.227.8402 ATTN: Sharon Gauld	SE 750	750	Not Tested

MANUFACTURER	MODEL	TAPE	DISK
Data Security, Incorporated	Type HD-2000, 940-0001	750	1500
Data Security, Incorporated	Type HD-3000, 905-0001	750	1800
Garner Products 620 Commerce Drive Suite C Roseville, CA 95678 800.624.1903	CF750	750	Not Tested
Data Security, Incorporated	Type II-A,  930-0000	1000	Not Tested
Data Security, Incorporated	Type III, 943-0001	1700	Not Tested

7. **Conveyor Type Degaussers:** These are electromagnetic degaussers that are continuous duty conveyor belt types and provide one pass erasure for tape storage devices.

MANUFACTURER	MODEL	TAPE	DISK
Electro-Matic Products Company 2235 N. Knox Ave. Chicago, IL 60639 773.235.4010	2PTFB15-17	350	Not Tested
Electro-Matic Products Company	2PTFB15-18	350	Not Tested
Electro-Matic Products Company	2PTFB15-113	350	Not Tested
Garner Products 620 Commerce Drive Suite C Roseville, CA 95678 800.624.1903	2700	350	Not Tested
Electro-Matic Products Company	HE15FB-4	750	Not Tested

8. **Chamber Type Degaussers:** These are electromagnetic degaussers that provide automatic one pass operation for tape storage device erasure. They can be used to erase disks 3.5" or smaller. The disk must be placed horizontally, degaussed once, turned over and degaussed a second time. All steel shielding materials (e.g., cabinets, casings, and mounting brackets) must be removed from the disk before degaussing. The degaussers must be operated at their full magnetic field strength. The erasure of hard disk drives will cause damage (i.e., loss of timing tracks and servo motors) that will prohibit their continued use.

MANUFACTURER	MODEL	TAPE	DISK
Data Security, Incorporated 729 Q Street P.O. Box 82809 Lincoln, NE 68501 402.434.5959 800.225.7554 ATTN: Eric Schafer	HD-6600	2500	4200
Data Security, Incorporated	HD-1T	2500	5000

#### PERMANENT MAGNET DEGAUSSER EQUIPMENT

9. **Hand Degaussers:** These are hand held permanent magnet degaussers. To degauss disk storage devices, cover the hand held magnet with a lintless tissue, wiping cloth, or a layer of thin plastic as a means of preventing damage to the recording surface. Insert the degaussing wand into the disk pack so that the active magnetic portion completely covers the recording surface of the disk from hub to perimeter. Wipe each active disk surface (top and bottom) at least three times with the magnet. If disks are part of a sealed hard disk drive assembly, they must be removed from the assembly for degaussing.

MANUFACTURER	MODEL	TAPE	DISK
Applied Magnetics Laboratory, Inc. 1404 Bare Hills Rd. Baltimore, MD 21209 410.583.2100	AML-6KG	Not Tested	2750

MANUFACTURER	MODEL	TAPE	DISK
Proton Engineering P.O. Box 1852 Palm City, Florida 34990 772.223.2184 ATTN: William Olliges	1100	Not Tested	2870
Security Engineered Machinery 8329 Old Marlboro Pike B-6 Upper Marlboro, MD 20772 800.645.1157 301.735.7100 ATTN: Terry Creek	1100	Not Tested	2870
Whitaker Brothers, Incorporated 12410 Washington Avenue Rockville, MD 20852 800.243.9226 301.230.2800 www.whitakerbrothers.com ATTN: Tara Vogel XT121	102-DG	Not Tested	5000

**10. Disk Degaussers:** These are enclosed permanent magnet degaussers. To properly degauss disk storage devices, pass the disk through the entry slot, turn the disk 90 degrees and slide the disk through the slot again.

MANUFACTURER	MODEL	TAPE	DISK
Proton Engineering, Incorporated P.O. Box 1852 Palm City, Florida 34990 772.223.2184 ATTN: William Olliges	1090	Not Tested	750
Security Engineered Machinery 8329 Old Marlboro Pike B-6 Upper Marlboro, MD 20772 800.645.1157 301.735.7100 ATTN: Terry Creek	1090	Not Tested	750

**11. Drawer Type Degaussers:** These are enclosed permanent magnet degaussers that provide automatic one pass operation for disk and tape storage device erasure.

<b>MANUFACTURER</b>	<b>MODEL</b>	<b>TAPE</b>	<b>DISK</b>
Data Security, Incorporated 729 Q Street P.O. Box 82809 Lincoln, NE 68501 402.434.5959 800.225.7554 ATTN: Eric Schafer	APM-10	2500	5000

### **DEGAUSSERS NO LONGER MANUFACTURED**

<b>MANUFACTURER</b>	<b>MODEL</b>	<b>TAPE</b>	<b>HARD DISK</b>
Ampex Corporation	SE20	350	Not Tested
Bell & Howell Company	TD-2903-4B	350	Not Tested
CMC Technology Corporation	TD-800	350	Not Tested
Computer Link Corporation	515	350	Not Tested
Computer Link Corporation	520	350	Not Tested
Computer Link Corporation	530	350	Not Tested
Computer Link Corporation	538	350	Not Tested
Computer Link Corporation	540	350	Not Tested
Consolidated Electrodynamics	TD-2903-4A	350	Not Tested
Datatape, Incorporated	TD-350	350	Not Tested
Datatape, Incorporated	TD-2903-4B	350	Not Tested
Datatape, Incorporated	TD-500	350	Not Tested
General Kinetics Incorporated	K90	350	Not Tested
General Kinetics Incorporated	K80	350	Not Tested
Hewlett Packard Company	3603A	350	Not Tested
Integra Technologies Corporation	D530	350	Not Tested

<b>MANUFACTURER</b>	<b>MODEL</b>	<b>TAPE</b>	<b>HARD DISK</b>
Integra Technologies Corporation	D538	350	Not Tested
Integra Technologies Corporation	D540	350	Not Tested
KYBE Corporation	1100	350	Not Tested
Metrum-Datatape	TD-350	350	Not Tested
IXI, Incorporated	5661C	350	2200
Rimage Corporation	5661C	350	2200
Computer Link Corporation	CF750	750	Not Tested
Data Security, Incorporated	Type II, 902-0001	750	1800
Datatape, Incorporated	HDD-2000	750	1500
Datatape, Incorporated	TD-750	750	1800
Datatape, Incorporated	TD-900	900	1800
Integra Technologies Corporation	D538-II	750	Not Tested
Metrum-Datatape	HDD-2000	750	1500
Metrum-Datatape	TD-750	750	1800
Metrum-Datatape	TD-900	900	1800
Datatape, Incorporated	TD-1700	1700	Not Tested
Metrum-Datatape	TD-1700	1700	Not Tested
Data Security Incorporated	HD-6000	2500	3800
Integra Technologies Corporation	I600-F4	Not Tested	350
Precision Methods, Incorporated	2000	Not Tested	350
Applied Magnetics Laboratory, Incorporated	Data Muncher	Not Tested	350
J.C. Nickels, Incorporated	1084 Bit Scrubber	Not Tested	350
Proton Engineering, Incorporated	1084	Not Tested	350